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What is claimed is:

- A method for making a flash memory comprising:
 forming a semiconductor substrate that includes a flash memory cell that has a floating gate;
- forming a conductive layer on the substrate;

 neutralizing process induced charge that has accumulated on the flash
 cell floating gate; and

forming on the conductive layer a passivation layer that is not transparent to ultraviolet light.

- 2. The method of claim 1 wherein process induced charge that has accumulated on the flash cell floating gate is neutralized by exposing the substrate to ultraviolet light.
- 3. The method of claim 2 wherein the passivation layer comprises a barrier layer and a stress reduction layer.
- 15 4. The method of claim 3 wherein the passivation layer comprises a silicon nitride layer and a polyimide layer.
 - 5. The method of claim 4 wherein the flash cell floating gate has a gate length that is less than about 0.5 microns.
- 6. The method of claim 5 wherein the conductive layer forms the final metal interconnect for the flash memory, upon which is formed the passivation layer.
 - 7. A method for making a flash memory comprising:

 forming a semiconductor substrate that includes a flash memory cell that
 has a floating gate;

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forming a conductive layer on the substrate that forms the final metal interconnect for the flash memory;

exposing the flash cell floating gate to ultraviolet light; and

forming on the donductive layer a passivation layer that is not transparent

5 to ultraviolet light.

- 8. The method of claim 7 wherein the flash cell floating gate has a gate length that is less than about 0.5 microns and the passivation layer comprises a silicon nitride layer and a polyimide layer.
- 9. A flash memory comprising:

a semiconductor substrate that includes a flash memory cell that has a floating gate;

a conductive layer formed on the substrate; and

a passivation layer formed on the conductive layer that is not transparent to ultraviolet light.

- 15 10. The flash memory of claim 9 wherein the passivation layer comprises a barrier layer and a stress reduction layer.
 - 11. The flash memory of claim 10 wherein the passivation layer comprises a silicon nitride layer and a polyimide layer.
- 12. The flash memory of claim 11 wherein the flash cell floating gate has a20 gate length that is less than about 0.5 microns.
 - 13. The flash memory of claim 12 wherein the conductive layer forms the final metal interconnect for the flash memory, upon which is formed the passivation layer.

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- 14. The flash memory of claim 13 wherein the silicon nitride layer is between about 2,000 and about 10,000 angstroms thick.
- 15. The flash memory of claim 9 wherein the passivation layer comprises a polyimide layer.

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